



P.B. 5818 - Patentlaan 2
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Zeichen/Ref./Réf. MCK/P32193EP	Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n° 01301198.6-1236/
Anmelder/Applicant/Demandeur//Patentinhaber/Proprietor/Titulaire SANKYO SEIKI MFG. CO. LTD.	

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COMMUNICATION

The European Patent Office herewith transmits the partial European search report under Rule 46(1) EPC relating to the above-mentioned European patent application.

Copies of the documents cited in the search report are enclosed.

The applicant's attention is drawn to the following:

The search Division informs the applicant that if the European search report is also to cover inventions other than the invention first mentioned in the claims, a further search fee must be paid for each of these inventions, within ONE MONTH after notification of this communication.

If the application has been filed up to 30 June 1999, the search fee in force before 01 July 1999 (EUR 869,-) or the equivalent applicable on the date of payment is payable.

This applies also to the search fees requested under Rule 46(1) EPC.

See also OJ EPO 06/1999, 405.

- ☐ The abstract was modified by the Search Division and the definitive text is attached to the present communication.
- ☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.



Note to users of the automatic debiting procedure:

Unless the EPO receives prior instructions to the contrary, the search fee(s) will be debited on the last day of the period for payment. For further details see the Arrangements for the automatic debiting procedure, Supplement to OJ EPO 02/1999.

REGISTERED LETTER



European Patent
Office

PARTIAL EUROPEAN SEARCH REPORT

under Rule 46, paragraph 1 of the European Patent Convention Application Number
EP 01 30 1198

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	US 5 452 785 A (IWAMOTO TAKAHISA ET AL) 26 September 1995 (1995-09-26) * column 1, line 11; figures 26,27 *	1,2	G01D5/20 G07F3/02 H03K17/95 G01B7/28
A	EP 0 731 429 A (CUMMINS ALLISON CORP) 11 September 1996 (1996-09-11) * abstract *	1	
A	US 4 752 739 A (WANG ROBERT) 21 June 1988 (1988-06-21) * figure 3 *	1	
A	DD 224 738 A (WELZOW BRAUNKOHLERWERK) 10 July 1985 (1985-07-10) * figure 1 *	1	
A	US 4 365 517 A (RAMEL FRANCOIS ET AL) 28 December 1982 (1982-12-28) * column 3, line 53 - column 4, line 5; figure 3 *	1,3,4	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			G01D G07F H03K G01B
LACK OF UNITY OF INVENTION			
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:			
see sheet B			
The present partial European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.			
Place of search		Date of completion of the search	Examiner
THE HAGUE		13 March 2003	Lut, K
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-4

Sensor for identifying a surface of a body having an uneven surface.

2. Claims: 5,6

Differential magnetism sensor apparatus

3. Claims: 7-13,19-23

Coin identifying apparatus

4. Claims: 14-18

Metallic body detector

5. Claims: 24-27

Displacement sensor

6. Claims: 28-31

Proximity sensor

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 30 1198

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

13-03-2003

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5452785	A	26-09-1995	AU	649168 B2	12-05-1994
			AU	2663892 A	03-05-1993
			AU	658339 B2	06-04-1995
			AU	5757594 A	02-06-1994
			GB	2266400 A ,B	27-10-1993
			GB	2284291 A ,B	31-05-1995
			WO	9307589 A1	15-04-1993
			US	5458225 A	17-10-1995

EP 0731429	A	11-09-1996	US	5630494 A	20-05-1997
			AU	688668 B2	12-03-1998
			AU	4798696 A	26-09-1996
			CA	2171034 A1	08-09-1996
			DE	69611002 D1	28-12-2000
			DE	69611002 T2	21-06-2001
			EP	0731429 A2	11-09-1996
			EP	0965954 A1	22-12-1999
			ES	2153508 T3	01-03-2001
			WO	9627859 A1	12-09-1996
			US	5743373 A	28-04-1998

US 4752739	A	21-06-1988	FR	2572175 A1	25-04-1986
			AT	46970 T	15-10-1989
			DE	3573472 D1	09-11-1989
			DE	179720 T1	16-10-1986
			EP	0179720 A1	30-04-1986
			JP	61102504 A	21-05-1986

DD 224738	A	10-07-1985	DD	224738 A1	10-07-1985

US 4365517	A	28-12-1982	FR	2451566 A1	10-10-1980
			CH	641896 A5	15-03-1984
			DE	3036749 T0	09-04-1981
			ES	489454 A1	16-09-1980
			WO	8001951 A1	18-09-1980
			GB	2060900 A ,B	07-05-1981
			IT	1129630 B	11-06-1986
			JP	56500102 T	05-02-1981
